



SEQUENCE LISTING

<110> PLAKSIN, Daniel

<120> SMALL FUNCTIONAL UNITS OF ANTIBODY HEAVY CHAIN VARIABLE REGIONS

<130> 87534-2800

<140> 09/858,349

<141> 2001-05-15

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 411

<212> DNA

<213> mouse hybridoma specific for H-2D + RGPGRFVTI peptide

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<221> misc_feature

<222> (295)...(320)

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acctgctctg tcaactggcta ctccatcacc agtgggttatt actggaactg gatcc
ggcag 120

tttccaggaa acaaactgga atggatgggc tacataagct acgatggtag caata
actac 180

aacccatctc tcaaaaatcg aatctccatc actcgtgaca catctaagaa ccagt
ttttc 240

ctgaagttga attctgtgac tactgaggac acagccacat attactgtgc aagan
nknkn 300

nnknknknkn nknknknkn kgactactgg ggccaaggga ccaactgtcac cgtcg
cggcc 360

gcaggtgcgc cggtgccgta tccggatccg ctggaaccgc gtgccgcata g
411

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<212> PRT

<213> mouse hybridoma specific for H-2D + RGPGRAFVTI peptid
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<220>

<221> MISC_FEATURE

<222> (99)..(107)

<223> variable

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Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser
Gln
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Ser Leu Ser Leu Thr Cys Ser Val Thr Gly Tyr Ser Ile Thr Ser
Gly
20 25 30

Tyr Tyr Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu
Trp
35 40 45

Met Gly Tyr Ile Ser Tyr Asp Gly Ser Asn Asn Tyr Asn Pro Ser
Leu
50 55 60

Lys Asn Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe
Phe
65 70 75

80

Leu Lys Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr
Cys

85

90

95

Ala Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Tyr Trp Gly
Gln

100

105

110

Gly Thr Thr Val Thr Val Ala Ala Ala Gly Ala Pro Val Pro Tyr
Pro

115

120

125

Asp Pro Leu Glu Pro Arg Ala Ala
130 135

<210> 3

<211> 10

<212> PRT

<213> mouse hybridoma specific for H-2D + RGPGRFVTI peptid
e

<400> 3

Arg Gly Pro Gly Arg Ala Phe Val Thr Ile
1 5 10

<210> 4

<211> 54

<212> DNA

<213> sfiI5'

<400> 4

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54

<210> 5
 <211> 100
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 <213> NotI3' oligonucleotide

<220>
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 <222> (51)..(76)
 <223> a or c or g or t/u

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 mnnmn 60

nmnnmnnmnn mnnmnnntctt gcacagtaat atgtggctgt
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 <211> 5
 <212> PRT
 <213> phage clone with randomized VH gene inserted

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 <222> (2)..(2)
 <223> a hydrophilic residue though this may not be a exclusive requirem
 ent

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Gly Xaa Ser Pro Gln
 1 5

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 <211> 9
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Asn Gly Lys Ser Pro Gln Ala Ala Trp
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Gln Ser Gly Gln Ser Pro Gln Ser Ile
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Trp Gly Ser Trp Arg Asn Gly Lys Asn
1 5

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Trp Ala Lys Gly Arg Ser Thr Met Tyr
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Trp Gly Met Tyr Arg Ser Gly Thr Gly
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 <212> DNA
 <213> pET-21 a VH5'NdeI

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 <213> pET-21aVH3' XhoI

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His Ala Gln Arg Arg Pro Trp Ile Arg
 1 5

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<212> PRT

<213> phage clone with randomized VH gene inserted

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Glu Asp Pro His Pro Gln Arg Gly Tyr

1

5